

SEQUENCE LISTING

<110> Bass, Michael B
Sullivan, John K
Theill, Lars E
Wang, Daguang

<120> NOVEL DKR POLYPEPTIDES

<130> A-548

<140> 09/161,241

<141> 1998-09-25

<160> 78

<170> PatentIn Ver. 2.0

<210> 1

<211> 1050

<212> DNA

<213> Mouse

<400> 1

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<211> 1053

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gacacgaagg ttggaaataa taccatccat gtgcaccgag aaattcacia gataaccaac 360
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accgcggag gggacgcggg cgtgcaaate tgtctgcct gcagggaagc cggaaaacgc 360
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tctgatcaaa atcatttccg aggagaaatt gaggaacca tctactgaaag ctttggtaat 480
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accaagcata ggagaaaagg ctctcatgga ctgaaatat tccagcgttg ttactgtgga 720
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<210> 4

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<212> DNA

<213> Mouse

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tctctaggag gggagactcc tgctcagtc gccaacgat ctgcaggcat gaaccaagga 180
ctggctttcg gcggcagtaa gaagggcaaa agcctggggc aggcctaccc ttgcagcagt 240
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atgctctgta ggaggaaaaa gaaacgatgc cacagagatg ggatgtgttg ccttggtacc 360
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acaaaaatct gcaaaccagt gctccatcag ggggaagtct gtaccaaaca acgcaagaag 660
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<210> 5

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tctctgggcg  gggagacgcc  tggtcaggcc  gccaatcgat  ctgcggggcat  gtaccaagga  180
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gataaggagt  gtgaagttgg  gaggtattgc  cacagtcccc  accaaggatc  atcggcctgc  300
atggtgtgtc  ggagaaaaaa  gaagcgcctg  caccgagatg  gcatgtgctg  cccagttacc  360
cgctgcaata  atggcatctg  tatcccagtt  actgaaagca  tcttaacccc  tcacatcccc  420
gctctggatg  gtactcggca  cagagatcga  aaccacggtc  attactcaaa  ccatgacttg  480
ggatggcaga  atctaggaag  accacacact  aagatgtcac  atataaaagg  gcatgaagga  540
gaccctgcc  tacgatcatc  agactgcatt  gaagggtttt  gctgtgctcg  tcatttctgg  600
accaaaatct  gcaaaccagt  gctccatcag  ggggaagtct  gtaccaaaca  acgcaagaag  660
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<210> 6

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<212> DNA

<213> Human

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tctctgggcg  gggagacgcc  tggtcaggcc  gccaatcgat  ctgcggggcat  gtaccaagga  180
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cgctgcaata  atgggcatga  aggagacccc  tgcctacgat  catcagactg  cattgaaggg  420
ttttgctgtg  ctogtcattt  ctggaccaaa  atctgcaaac  cagtgtctca  tcagggggaa  480
gtctgtacca  aacaacgcaa  gaagggttct  catgggctgg  aaattttcca  gcgttgcgac  540
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<210> 7

<211> 675

<212> DNA

<213> Human

<400> 7

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ccgttctgtg  ctacatgtcg  tgggttgccg  aggaggtgcc  agcgagatgc  catgtgctgc  240
cctgggacac  tctgtgtgaa  cgatgtttgt  actacgatgg  aagatgcaac  cccaatatta  300
gaaaggcagc  ttgatgagca  agatggcaca  catgcagaag  gaacaactgg  gcaccagtc  360
caggaaaacc  aacccaaaag  gaagccaagt  attaagaaat  cacaaggcag  gaagggacaa  420
gagggagaaa  gttgtctgag  aacttttgac  tgtggccctg  gactttgctg  tgctcgtcat  480
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cataaagaca  ctgctcaagc  tccagaaatc  ttccagcgtt  gcgactgtgg  ccctggacta  600
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<210> 8

<211> 349

<212> PRT

<213> Mouse

<400> 8

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Glu Pro Gly Pro Ala Leu Asn Tyr Pro Gln Glu Glu Ala Thr Leu Asn
 35 40 45

Glu Met Phe Arg Glu Val Glu Glu Leu Met Glu Asp Thr Gln His Lys
 50 55 60

Leu Arg Ser Ala Val Glu Glu Met Glu Ala Glu Glu Ala Ala Ala Lys
 65 70 75 80

Thr Ser Ser Glu Val Asn Leu Ala Ser Leu Pro Pro Asn Tyr His Asn
 85 90 95

Glu Thr Ser Thr Glu Thr Arg Val Gly Asn Asn Thr Val His Val His
 100 105 110

Gln Glu Val His Lys Ile Thr Asn Asn Gln Ser Gly Gln Val Val Phe
 115 120 125

Ser Glu Thr Val Ile Thr Ser Val Gly Asp Glu Glu Gly Lys Arg Ser
 130 135 140

His Glu Cys Ile Ile Asp Glu Asp Cys Gly Pro Thr Arg Tyr Cys Gln
 145 150 155 160

Phe Ser Ser Phe Lys Tyr Thr Cys Gln Pro Cys Arg Asp Gln Gln Met
 165 170 175

Leu Cys Thr Arg Asp Ser Glu Cys Cys Gly Asp Gln Leu Cys Ala Trp
 180 185 190

Gly His Cys Thr Gln Lys Ala Thr Lys Gly Gly Asn Gly Thr Ile Cys
 195 200 205

Asp Asn Gln Arg Asp Cys Gln Pro Gly Leu Cys Cys Ala Phe Gln Arg
 210 215 220

Gly Leu Leu Phe Pro Val Cys Thr Pro Leu Pro Val Glu Gly Glu Leu
 225 230 235 240

Cys His Asp Pro Thr Ser Gln Leu Leu Asp Leu Ile Thr Trp Glu Leu
 245 250 255

Glu Pro Glu Gly Ala Leu Asp Arg Cys Pro Cys Ala Ser Gly Leu Leu
 260 265 270

protein sequence

Cys Gln Pro His Ser His Ser Leu Val Tyr Met Cys Lys Pro Ala Phe
275 280 285

Val Gly Ser His Asp His Ser Glu Glu Ser Gln Leu Pro Arg Glu Ala
290 295 300

Pro Asp Glu Tyr Glu Asp Val Gly Phe Ile Gly Glu Val Arg Gln Glu
305 310 315 320

Leu Glu Asp Leu Glu Arg Ser Leu Ala Gln Glu Met Ala Phe Glu Gly
325 330 335

Pro Ala Pro Val Glu Ser Leu Gly Gly Glu Glu Glu Ile
340 345

<210> 9

<211> 350

<212> PRT

<213> Human

<400> 9

Met Gln Arg Leu Gly Ala Thr Leu Leu Cys Leu Leu Leu Ala Ala Ala
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20 25 30

Lys Pro Gly Pro Ala Leu Ser Tyr Pro Gln Glu Glu Ala Thr Leu Asn
35 40 45

Glu Met Phe Arg Glu Val Glu Glu Leu Met Glu Asp Thr Gln His Lys
50 55 60

Leu Arg Ser Ala Val Glu Glu Met Glu Ala Glu Glu Ala Ala Ala Lys
65 70 75 80

Ala Ser Ser Glu Val Asn Leu Ala Asn Leu Pro Pro Ser Tyr His Asn
85 90 95

Glu Thr Asn Thr Asp Thr Lys Val Gly Asn Asn Thr Ile His Val His
100 105 110

Arg Glu Ile His Lys Ile Thr Asn Asn Gln Thr Gly Gln Met Val Phe
115 120 125

Ser Glu Thr Val Ile Thr Ser Val Gly Asp Glu Glu Gly Arg Arg Ser
130 135 140

His Glu Cys Ile Ile Asp Glu Asp Cys Gly Pro Ser Met Tyr Cys Gln
145 150 155 160

Phe Ala Ser Phe Gln Tyr Thr Cys Gln Pro Cys Arg Gly Gln Arg Met
165 170 175

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- 6 -

Gly His Cys Thr Lys Met Ala Thr Arg Gly Ser Asn Gly Thr Ile Cys
195 200 205

Gly Leu Leu Phe Pro Val Cys Thr Pro Leu Pro Val Glu Gly Glu Leu
225 230 235 240

Glu Pro Asp Gly Ala Leu Asp Arg Cys Pro Cys Ala Ser Gly Leu Leu
260 265 270

Val Gly Ser Arg Asp Gln Asp Gly Glu Ile Leu Leu Pro Arg Glu Val
290 295 300

Leu Glu Asp Leu Glu Arg Ser Leu Thr Glu Glu Met Ala Leu Gly Glu
325 330 335

<210>	10
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<212>	PRT
<213>	Human

Val Ala Ala Ala Leu Gly Gly His Pro Leu Leu Gly Val Ser Ala Thr
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Leu Gly Gly Ala Ala Gly His Pro Gly Ser Ala Val Ser Ala Ala Pro
50 55 60

Gly Ile Leu Tyr Pro Gly Gly Asn Lys Tyr Gln Thr Ile Asp Asn Tyr
65 70 75 80

A-548A

- 8 -

Gly Ser Lys Lys Gly Lys Ser Leu Gly Gln Ala Tyr Pro Cys Ser Ser
65 70 75 80

Asp Lys Glu Cys Glu Val Gly Arg Tyr Cys His Ser Pro His Gln Gly
85 90 95

Ser Ser Ala Cys Met Leu Cys Arg Arg Lys Lys Lys Arg Cys His Arg
100 105 110

Asp Gly Met Cys Cys Pro Gly Thr Arg Cys Asn Asn Gly Ile Cys Ile
115 120 125

Pro Val Thr Glu Ser Ile Leu Thr Pro His Ile Pro Ala Leu Asp Gly
130 135 140

Thr Arg His Arg Asp Arg Asn His Gly His Tyr Ser Asn His Asp Leu
145 150 155 160

Gly Trp Gln Asn Leu Gly Arg Pro His Ser Lys Met Pro His Ile Lys
165 170 175

Gly His Glu Gly Asp Pro Cys Leu Arg Ser Ser Asp Cys Ile Asp Gly
180 185 190

Phe Cys Cys Ala Arg His Phe Trp Thr Lys Ile Cys Lys Pro Val Leu
195 200 205

His Gln Gly Glu Val Cys Thr Lys Gln Arg Lys Lys Gly Ser His Gly
210 215 220

Leu Glu Ile Phe Gln Arg Cys Asp Cys Ala Lys Gly Leu Ser Cys Lys
225 230 235 240

Val Trp Lys Asp Ala Thr Tyr Ser Ser Lys Ala Arg Leu His Val Cys
245 250 255

Gln Lys Ile

<210> 12

<211> 259

<212> PRT

<213> Human

<400> 12

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Ala Lys Leu Asn Ser Ile Lys Ser Ser Leu Gly Gly Glu Thr Pro Gly
35 40 45

Gln Ala Ala Asn Arg Ser Ala Gly Met Tyr Gln Gly Leu Ala Phe Gly
 50 55 60
 Gly Ser Lys Lys Gly Lys Asn Leu Gly Gln Ala Tyr Pro Cys Ser Ser
 65 70 75 80
 Asp Lys Glu Cys Glu Val Gly Arg Tyr Cys His Ser Pro His Gln Gly
 85 90 95
 Ser Ser Ala Cys Met Val Cys Arg Arg Lys Lys Lys Arg Cys His Arg
 100 105 110
 Asp Gly Met Cys Cys Pro Ser Thr Arg Cys Asn Asn Gly Ile Cys Ile
 115 120 125
 Pro Val Thr Glu Ser Ile Leu Thr Pro His Ile Pro Ala Leu Asp Gly
 130 135 140
 Thr Arg His Arg Asp Arg Asn His Gly His Tyr Ser Asn His Asp Leu
 145 150 155 160
 Gly Trp Gln Asn Leu Gly Arg Pro His Thr Lys Met Ser His Ile Lys
 165 170 175
 Gly His Glu Gly Asp Pro Cys Leu Arg Ser Ser Asp Cys Ile Glu Gly
 180 185 190
 Phe Cys Cys Ala Arg His Phe Trp Thr Lys Ile Cys Lys Pro Val Leu
 195 200 205
 His Gln Gly Glu Val Cys Thr Lys Gln Arg Lys Lys Gly Ser His Gly
 210 215 220
 Leu Glu Ile Phe Gln Arg Cys Asp Cys Ala Lys Gly Leu Ser Cys Lys
 225 230 235 240
 Val Trp Lys Asp Ala Thr Tyr Ser Ser Lys Ala Arg Leu His Val Cys
 245 250 255
 Gln Lys Ile

<210> 13

<211> 207

<212> PRT

<213> Human

<400> 13

Met Ala Ala Leu Met Arg Ser Lys Asp Ser Ser Cys Cys Leu Leu Leu
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Leu Ala Ala Val Leu Met Val Glu Ser Ser Gln Ile Gly Ser Ser Arg
 20 25 30

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Gly	Ser	Lys	Lys	Gly	Lys	Asn	Leu	Gly	Gln	Ala	Tyr	Pro	Cys	Ser	Ser
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Asp	Lys	Glu	Cys	Glu	Val	Gly	Arg	Tyr	Cys	His	Ser	Pro	His	Gln	Gly
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Ser	Ser	Ala	Cys	Met	Val	Cys	Arg	Arg	Lys	Lys	Lys	Arg	Cys	His	Arg
			100					105					110		
Asp	Gly	Met	Cys	Cys	Pro	Ser	Thr	Arg	Cys	Asn	Asn	Gly	His	Glu	Gly
	115						120					125			
Asp	Pro	Cys	Leu	Arg	Ser	Ser	Asp	Cys	Ile	Glu	Gly	Phe	Cys	Cys	Ala
	130					135					140				
Arg	His	Phe	Trp	Thr	Lys	Ile	Cys	Lys	Pro	Val	Leu	His	Gln	Gly	Glu
145					150					155					160
Val	Cys	Thr	Lys	Gln	Arg	Lys	Lys	Gly	Ser	His	Gly	Leu	Glu	Ile	Phe
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Gln	Arg	Cys	Asp	Cys	Ala	Lys	Gly	Leu	Ser	Cys	Lys	Val	Trp	Lys	Asp
			180					185					190		
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His	Gly	Ala	Arg	Lys	Gly	Ser	Gln	Cys	Leu	Ser	Asp	Thr	Asp	Cys	Asn
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Thr	Arg	Lys	Phe	Cys	Leu	Gln	Pro	Arg	Asp	Glu	Lys	Pro	Phe	Cys	Ala
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Thr	Cys	Arg	Gly	Leu	Arg	Arg	Arg	Cys	Gln	Arg	Asp	Ala	Met	Cys	Cys
65					70					75					80

Pro Gly Thr Leu Cys Val Asn Asp Val Cys Thr Thr Met Glu Asp Ala
85 90 95

Thr Pro Ile Leu Glu Arg Gln Leu Asp Glu Gln Asp Gly Thr His Ala
100 105 110

Glu Gly Thr Thr Gly His Pro Val Gln Glu Asn Gln Pro Lys Arg Lys
115 120 125

Pro Ser Ile Lys Lys Ser Gln Gly Arg Lys Gly Gln Glu Gly Glu Ser
130 135 140

Cys Leu Arg Thr Phe Asp Cys Gly Pro Gly Leu Cys Cys Ala Arg His
145 150 155 160

Phe Trp Thr Lys Ile Cys Lys Pro Val Leu Leu Glu Gly Gln Val Cys
165 170 175

Ser Arg Arg Gly His Lys Asp Thr Ala Gln Ala Pro Glu Ile Phe Gln
180 185 190

Arg Cys Asp Cys Gly Pro Gly Leu Leu Cys Arg Ser Gln Leu Thr Ser
195 200 205

Asn Arg Gln His Ala Arg Leu Arg Val Cys Gln Lys Ile Glu Lys Leu
210 215 220

<210> 15

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 15

ggaaggaaaa aagcggccgc aacannnnnn nnn

33

<210> 16

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide adapter

<400> 16

tcgacccacg cgtccg

16

<210> 17

<211> 12
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 Oligonucleotide adapter

<400> 17
 ggggtgcgcag gc 12

<210> 18
 <211> 18
 <212> DNA
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<220>
 <223> Description of Artificial Sequence:
 Oligonucleotide primer

<400> 18
 actagctcca gtgatctc 18

<210> 19
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 Oligonucleotide primer

<400> 19
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<210> 20
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 Oligonucleotide primer

<400> 20
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<210> 21
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:
 Oligonucleotide primer

<400> 21
cccagtcacg acgttgtaaa acgacggcc 29

<210> 22
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<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 22
aacatgcagc ggctcggggg 20

<210> 23
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<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 23
ggtgacacta tagaagagct atgacgtcgc 30

<210> 24
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<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 24
gtgctgagtg tcttccatca gc 22

<210> 25
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<220>
<223> Description of Artificial Sequence:
Oligonucleotide probes

<400> 25
gagatgcagc ggcttggggc caccc 25

<210> 26
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probes

<400> 26

gcctggtcag cccacgccta aag

23

<210> 27

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probes

<400> 27

cctgctgctg gcggcggcgg tccccacggc

30

<210> 28

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probes

<400> 28

gcctggtcag cccacgccta aag

23

<210> 29

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probes

<400> 29

cccggaccct gactctgcag ccg

23

<210> 30

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probes

<400> 30

gaggaaaaat aggcagtgca gcacc

25

<210> 31

<211> 25
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide primers

<400> 31
gccacagtcc ccaccaagga tcatc 25

<210> 32
<211> 25
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide primers

<400> 32
gatgatcctt ggtggggact gtggc 25

<210> 33
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Oligonucleotide primers

<400> 33
ctgcaaacca gtgctccatc aggg 24

<210> 34
<211> 24
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide primers

<400> 34
ccctgatgga gcactggttt gcag 24

<210> 35
<211> 20
<212> DNA
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<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 35
gctataccaa gcatacaatc 20

<210> 36
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 36
gggttgaggg aacacaatct gcaag 25

<210> 37
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 37
gtctgcaatt gatgatgttc ctcaatgg 28

<210> 38
<211> 24
<212> DNA
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<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 38
ccagggccac agtcgcaacg ctgg 24

<210> 39
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 39
ctccctcttg tcccttctg ccttg 25

<210> 40
<211> 25
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 40

caaggcagga agggacaaga gggag

25

<210> 41

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 41

ccagcgttgc gactgtggcc ctgg

24

<210> 42

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide primer/adaptor

<400> 42

gactagttct agatcgcgag cggccgccct tttttttttt tttt

44

<210> 43

<211> 6

<212> PRT

<213> Human

<400> 43

Met His Pro Leu Leu Gly

1

5

<210> 44

<211> 5

<212> PRT

<213> Human

<400> 44

Thr Cys Gln Arg His

1

5

<210> 45

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 45

gttctcctca tatgcatcca ttattaggcg taagtgccac cttgaactcg gttctcaat 59

<210> 46

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 46

tacgcactgg atccttagtg tctctgacaa gtgtgaag 38

<210> 47

<211> 6

<212> PRT

<213> Human

<400> 47

Met Ser Gln Ile Gly Ser
1 5

<210> 48

<211> 5

<212> PRT

<213> Human

<400> 48

Val Cys Gln Lys Ile
1 5

<210> 49

<211> 56

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 49

gttctcctca tatgtctcaa attggtagtt ctcgtgccaa actcaactcc atcaag 56

<210> 50

<211> 39

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 50

tacgcactgg atccttaa at tttctgacac acatggagt

39

<210> 51

<211> 6

<212> PRT

<213> Mouse

<400> 51

Met Ser Gln Leu Gly Ser

1

5

<210> 52

<211> 5

<212> PRT

<213> Mouse

<400> 52

Val Cys Gln Lys Ile

1

5

<210> 53

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 53

gttctcctca tatgtctcaa ttaggtagct ctcgtgctaa actcaactcc atcaagtcc 59

<210> 54

<211> 39

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 54

tacgcactgg atccttagat cttctggcat acatggagt

39

<210> 55

<211> 6

<212> PRT

<213> Human

<400> 55

Met Pro Ala Pro Thr Ala

1 5

<210> 56

<211> 5

<212> PRT

<213> Human

<400> 56

Gly Gly Glu Glu Ile

1 5

<210> 57

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 57

gttctcctca tatgcctgct ccaactgcaa cttcggctcc agtcaagccc ggcc 54

<210> 58

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 58

tacgcactcc gcggttaaatt ctcttccctt cccagca 37

<210> 59

<211> 6

<212> PRT

<213> Human

<400> 59

Met Lys Pro Gly Pro Ala

1 5

<210> 60

<211> 5

<212> PRT

<213> Human

<400> 60

Gly Gly Glu Glu Ile
1 5

<210> 61

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 61

gttctcctca tatgaaacca ggtccagcct taagctaccc gcaggaggag gccca 54

<210> 62

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 62

tacgcactcc gcggttaaatt ctcttccccct cccagca 37

<210> 63

<211> 6

<212> PRT

<213> Human

<400> 63

Met Gln Glu Glu Ala Thr
1 5

<210> 64

<211> 5

<212> PRT

<213> Human

<400> 64

Gly Gly Glu Glu Ile
1 5

<210> 65

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 65
gttctcctca tatgcaagaa gaagctactc tgaatgagat gttccgcgag gtt 53

<210> 66
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 66
tacgcaactcc gcggttaaatt ctcttcccct cccagca 37

<210> 67
<211> 6
<212> PRT
<213> Mouse

<400> 67
Met Glu Pro Gly Pro Ala
1 5

<210> 68
<211> 5
<212> PRT
<213> Mouse

<400> 68
Gly Glu Glu Glu Ile
1 5

<210> 69
<211> 54
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 69
gttctcctca tatggaacca ggtccagctt taaactaccc tcaggaggaa gcta 54

<210> 70
<211> 37
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide probe

 $\langle 400 \rangle$ 70

tacgcactcc gcggttaa at ctctctct cgccta

37

<210> 71

$\langle 211 \rangle$ 6

<212> PRT

<213> Human

<400> 71

Met Leu Val Leu Asp Phe

1

5

<210> 72

$\langle 211 \rangle$ 5

<212> PRT

<213> Human

<400> 72

Lys Ile Glu Lys Leu

1

5

<210> 73

<211> 47

<212> DNA

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 73

gttctcctca tatgtagtt ttggatttca acaacatcag gagctct

47

<210> 74

<211> 49

<212> DNA

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Description of Artificial Sequence:
Oligonucleotide probe

<400> 74

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49

<210> 75

<211> 798

<212> DNA

<213> Human

<400> 75

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<210> 76

<211> 777

<212> DNA

<213> Human

<400> 76

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<210> 77

<211> 1050

<212> DNA

<213> Human

<400> 77

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<210>	78
<211>	672
<212>	DNA
<213>	Human

<400>	78					
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[illegible]